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DATA SHEET

Mouse Anti-Mammaglobin [304-1A5]: MC0546, MC0546RTU7

Intended Use: For Research Use Only

Description: The Mammaglobin gene encodes a 10-kDa glycoprotein that is homolog to human Clara cell 10-kDa protein (CC10)/uteroglobin. SCGB2A2. Expression of the mammaglobin gene is highly restricted to the adult mammary gland. Antibody to Mammaglobin labels normal breast epithelial cells and breast tumor cells. It is a useful marker for identification of primary and metastatic breast cancer.

Specifications

Clone:	304-1A5
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human
Immunogen:	Recombinant full-length mammaglobin protein
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

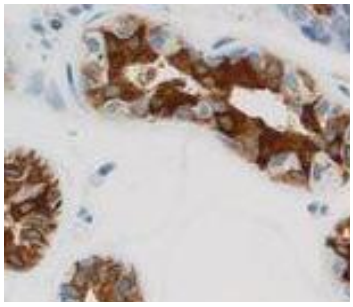
Package:

Description	Catalog No.	Size
Mammaglobin Concentrated	MC0546	1 ml
Mammaglobin Prediluted	MC0546RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Breast, breast cancer
Concentrated Dilution:	25-50
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human skin stained with anti-Mammaglobin showing cytoplasmic staining of epithelial cells of the eccrine sweat glands

References:

1. GATA-3 is superior to GCDFP-15 and mammaglobin to identify primary and metastatic breast cancer. Ni YB, et al. Breast Cancer Res Treat. May;169(1):25-32, 2018.
2. Comparative Sensitivities and Specificities of Antibodies to Breast Markers GCDFP-15, Mammaglobin A, and Different Clones of Antibodies to GATA-3: A Study of 338 Tumors Using Whole Sections. Kandalaft PL, et al. Appl Immunohistochem Mol Morphol. Oct;24(9):609-614, 2016.
3. Cloning expression, monoclonal antibody preparation and serologic study of mammaglobin in breast cancer. Huang Y, et al. Neoplasma. 58(5):436-40, 2011.
4. Immunohistochemical expression and correlation of mammaglobin with the grading system of breast carcinoma. Rehman F, et al. Indian J Pathol Microbiol. Oct-Dec;53(4):619-23, 2010.

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